

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW091019\
 Data File : VW012885.D
 Acq On : 10 Sep 2019 23:18
 Operator : SY/VA
 Sample : VW0910SBS02
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0910SBS02

Manual Integrations
 APPROVED

MMDadoda
 9/11/2019 9:26:27 AM

Quant Time: Sep 11 08:49:54 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W090719S.M
 Quant Title : SW846 8260
 QLast Update : Sun Sep 08 05:04:40 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	192600	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	296409	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	270185	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.55	152	137897	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	114449	53.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.36%	
35) Dibromofluoromethane	7.88	113	93275	52.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.86%	
50) Toluene-d8	10.32	98	369051	53.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.90%	
62) 4-Bromofluorobenzene	12.62	95	133420	53.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.46%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.00	85	21294	20.394	ug/l	95
3) Chloromethane	2.21	50	28433	22.407	ug/l	97
4) Vinyl Chloride	2.35	62	32239	20.721	ug/l	100
5) Bromomethane	2.71	94	19841	23.484	ug/l	97
6) Chloroethane	2.87	64	20284	21.847	ug/l	96
7) Trichlorofluoromethane	3.23	101	18579	17.304	ug/l	93
8) Diethyl Ether	3.67	74	19354	21.447	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	4.04	101	32252	19.142	ug/l	97
10) Methyl Iodide	4.25	142	45612	21.504	ug/l	97
11) Tert butyl alcohol	5.16	59	18201m	110.544	ug/l	
12) 1,1-Dichloroethene	4.03	96	30993	19.486	ug/l	95
13) Acrolein	3.89	56	13750	78.696	ug/l	93
14) Allyl chloride	4.65	41	59956	18.222	ug/l	98
15) Acrylonitrile	5.35	53	51135	97.019	ug/l	97
16) Acetone	4.12	43	45659	77.827	ug/l	97
17) Carbon Disulfide	4.37	76	60726	17.987	ug/l	96
18) Methyl Acetate	4.66	43	32168	23.371	ug/l	99
19) Methyl tert-butyl Ether	5.42	73	67335	21.347	ug/l	97
20) Methylene Chloride	4.90	84	40270	21.940	ug/l	88
21) trans-1,2-Dichloroethene	5.41	96	32802	20.212	ug/l	93
22) Diisopropyl ether	6.31	45	134119	20.552	ug/l	93
23) Vinyl Acetate	6.24	43	389958	94.291	ug/l	100
24) 1,1-Dichloroethane	6.21	63	71220	20.269	ug/l	99
25) 2-Butanone	7.17	43	73574	98.148	ug/l	99
26) 2,2-Dichloropropane	7.16	77	41889	18.875	ug/l	97
27) cis-1,2-Dichloroethene	7.17	96	40871	21.719	ug/l	95
28) Bromochloromethane	7.51	49	30505	18.907	ug/l	93
29) Tetrahydrofuran	7.52	42	46549	98.254	ug/l	95
30) Chloroform	7.67	83	72878	20.928	ug/l	98
31) Cyclohexane	7.95	56	58125	18.375	ug/l #	91
32) 1,1,1-Trichloroethane	7.87	97	55024	19.493	ug/l	98
36) 1,1-Dichloropropene	8.07	75	51046	19.382	ug/l	98
37) Ethyl Acetate	7.24	43	30860	18.381	ug/l	98
38) Carbon Tetrachloride	8.06	117	48031	18.501	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.33	83	56459	19.087	ug/l	97
40) Benzene	8.32	78	150776	20.634	ug/l	98
41) Methacrylonitrile	7.48	41	18360	18.691	ug/l #	94
42) 1,2-Dichloroethane	8.40	62	52454	20.397	ug/l	99
43) Isopropyl Acetate	8.42	43	58771	18.477	ug/l	95
44) Trichloroethene	9.09	130	39639	21.045	ug/l	97
45) 1,2-Dichloropropane	9.37	63	40517	19.992	ug/l	96
46) Dibromomethane	9.45	93	20067	20.910	ug/l	96
47) Bromodichloromethane	9.64	83	52546	19.901	ug/l	98
48) Methyl methacrylate	9.43	41	27940	18.381	ug/l	97
49) 1,4-Dioxane	9.44	88	7871	415.205	ug/l	95
51) 4-Methyl-2-Pentanone	10.21	43	159394	95.500	ug/l	98
52) Toluene	10.38	92	95800	21.006	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	51384	18.926	ug/l	93
54) cis-1,3-Dichloropropene	10.07	75	60552	19.660	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	30171	20.999	ug/l	97
56) Ethyl methacrylate	10.65	69	42385	20.153	ug/l	96
57) 1,3-Dichloropropane	10.93	76	54427	20.476	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.92	63	112530	100.785	ug/l	96
59) 2-Hexanone	10.97	43	108538	89.011	ug/l	98
60) Dibromochloromethane	11.13	129	34046	20.148	ug/l	98
61) 1,2-Dibromoethane	11.23	107	28251	21.447	ug/l	96
64) Tetrachloroethene	10.86	164	34272	20.905	ug/l	97
65) Chlorobenzene	11.66	112	101988	19.972	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.73	131	39129	20.576	ug/l	99
67) Ethyl Benzene	11.73	91	187469	19.566	ug/l	98
68) m/p-Xylenes	11.83	106	137477	39.752	ug/l	99
69) o-Xylene	12.16	106	64442	19.751	ug/l	99
70) Styrene	12.18	104	115268	19.993	ug/l	99
71) Bromoform	12.35	173	20446	19.351	ug/l #	100
73) Isopropylbenzene	12.46	105	185029	18.708	ug/l	99
74) N-amyl acetate	12.27	43	52580	16.749	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.71	83	37315	18.786	ug/l	100
76) 1,2,3-Trichloropropane	12.77	75	30145m	21.379	ug/l	
77) Bromobenzene	12.74	156	45042	20.101	ug/l	91
78) n-propylbenzene	12.80	91	217083	18.352	ug/l	99
79) 2-Chlorotoluene	12.89	91	127109	18.718	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	158130	18.974	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.51	75	10601	15.901	ug/l	96
82) 4-Chlorotoluene	12.99	91	135299	18.836	ug/l	99
83) tert-Butylbenzene	13.21	119	138267	18.763	ug/l	98
84) 1,2,4-Trimethylbenzene	13.25	105	160989	19.171	ug/l	99
85) sec-Butylbenzene	13.38	105	189745	18.556	ug/l	99
86) p-Isopropyltoluene	13.50	119	174901	18.726	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	87566	19.882	ug/l	98
88) 1,4-Dichlorobenzene	13.58	146	86959	19.842	ug/l	99
89) n-Butylbenzene	13.82	91	160842	17.738	ug/l	99
90) Hexachloroethane	14.09	117	29432	18.050	ug/l	96
91) 1,2-Dichlorobenzene	13.87	146	78862	19.894	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.48	75	6227	17.131	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	55724	20.190	ug/l	98
94) Hexachlorobutadiene	15.23	225	36454	19.082	ug/l	96
95) Naphthalene	15.36	128	98309	19.923	ug/l	100
96) 1,2,3-Trichlorobenzene	15.55	180	49180	20.187	ug/l	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

